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Our Reference No. 6280-239

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)

Lauraine Wagter-Lesperance and Bonnie Mallard)

Group No. 1644

Serial No. 09/899,552)

Filed: July 6, 2001)

For: **METHOD OF IDENTIFYING HIGH
IMMUNE RESPONSE ANIMALS**)

The Honorable Commissioner of Patents
& Trademarks
Washington, D.C. 20231
U.S.A.

Dear Sir:

FILING OF AN INFORMATION DISCLOSURE STATEMENT

In accordance with 37 CFR 1.97 and 1.98, and in recognition of the duty of disclosure set forth in 37 CFR 1.56, Applicants hereby submit an Information Disclosure Statement on Form PTO-1449 containing a listing of patents and other publications of which Applicants are aware.

Applicants wish to point out that the documents listed on the enclosed form are the same as those submitted for U.S. patent application serial No. 09/215,328, the corresponding parent for the present application. The Applicants therefore have not resubmitted the references listed on the Information Disclosure Statement enclosed herewith and request that the Examiner review these same documents submitted with the Information Disclosure Statement for U.S. application No. 09/215,328. The Applicants confirm that they are not aware of any new patents or

other publications that should be submitted as part of the Information Disclosure Statement for the present application.

All of the patents and publications submitted herewith are in the English language. Accordingly a concise explanation of the relevance of the documents is not required.

The Examiner is requested to indicate consideration of these documents by initialling the appropriate column.

Applicants reserve the right to contest the applicability of any of these documents as prior art against the subject application. If the Examiner has any questions concerning this Information Disclosure Statement, he/she is requested to contact the undersigned. Entry of the enclosed Information Disclosure Statement is believed to be in order and is respectfully requested.

This Information Disclosure Statement is being filed before the issuance of a first official action, and therefore no fees are required. However, please charge our deposit account No. 02-2095 if such a fee is required.

Respectfully submitted,

**Lauraine Wagter-Lesperance
and Bonnie Mallard**



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Dated: November 2, 2001

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Enc.



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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE
(REV. 2-32) PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**
(Use several sheets if necessary)

ATTY. DOCKET NO.: 6580-239

SERIAL NO.: 09/899,552

APPLICANTS:
Wagter-Lesperance, L. et al.

FILING DATE: July 6, 2001

GROUP: 1644

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
		WO94/14064	June 23/94	PCT			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

1.	Biozzi, G.; Stiffel, C.; Mouton, D.; Bouthillier, Y.; Decreusefond, C. "Cytodynamics of the Immune Response in Two Lines of Mice Genetically Selected for "High" and "Low" Antibody Synthesis", The Journal of Experimental Medicine, 1972, 135:1071-1094.
2.	Burton, J.L.; Burnside, E.B.; Kennedy, B.W.; Wilkie, B.N.; Burton, J.H. "Antibody Response to Human Erythrocytes and Ovalbumin as Marker Traits of Disease Resistance in Dairy Calves", J. Dairy Science, 1989, 72:1252-1265.
3.	Corbeil, L.B.; Watt, B.; Corbeil, R.R.; Betzen, T.G.; Brownson, R.K.; Morrill, J.L. "Immunoglobulin Concentrations in Serum and Nasal Secretions of Calves at the Onset of Pneumonia", 1984, American Journal of Veterinary Research, 1984, 45:773-778.
4.	Dekkers, J.C.M.; Boettcher, P.J.; Mallard, B.A. "Genetic Improvement of Udder Health", Proc. 6th World Congress on Genetics Applied to Livestock Production, 1998, Vol. 27.
5.	Detilleux, J.C.; Koehler, K.J.; Freeman, A.E.; Kehrli, M.E.; Kelley, D.H. "Immunological Parameters of Periparturient Holstein Cattle: Genetic Variation", J. Dairy Sci., 1994, 77:2640-2650.
6.	Detilleux, J.C.; Kehrli, M.E.; Freeman, A.E.; Fox, L.K.; Kelley, D.H. "Mastitis of Periparturient Holstein Cattle: A Phenotypic and Genetic Study", J. Dairy Sci., 1995, 78:2285-2293.
7.	Detilleux, J.C.; Kehrli, M.E.; Stabel, J.R.; Freeman, A.E.; Kelley, D.H. "Study of Immunological Dysfunction in Periparturient Holstein Cattle Selected for High and Average Milk Production", Veterinary Immunology and Immunopathology, 1995, 44:251-267.

* EXAMINER: Initial if citation considered, whether or not citation is in accordance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Form PTO-1449 (REV. 2-32)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.: 6580-239	SERIAL NO.: 09/899582
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANTS: Wagter-Lesperance, L. et al.		
		FILING DATE: July 6, 2001		GROUP: 1644
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)				
	8.	Griffin, J.F.T. "Stress and Immunity: A Unifying Concept", Veterinary Immunology and Immunopathology, 1989, 20:263-312.		
	9.	Harp, J.A.; Kehrli, M.E.; Hurley, D.J.; Wilson, R.A., Boone, T.C. "Numbers and Percent of T Lymphocytes in Bovine Peripheral Blood During the Periparturient Period", Veterinary Immunology and Immunopathology, 1991, 28:29-35.		
	10.	Hoshino, S.; Wakita, M.; Kobayashi, Y.; Sakauchi, R.; Nishiguchi, Y.; Ozawa, A.; Hodate, K.; Hamaguchi, I.; Yotani, Y. "Variations in Serum Levels of Insulin-like Growth Factor-1, Growth Hormone and Thyroid Hormones During Lactation in Dairy Cows", Comparative Biochemistry and Physiology, 1991, 99A:61-64.		
	11.	Kehrli, M.E. Jr.; Nonnecke, B.J.; Roth, J.A. "Alterations in Bovine Lymphocyte Function During the Periparturient Period", American Journal of Veterinary Research, 1989, 50:215-220.		
	12.	Kehrli, M.E. Jr.; Weigel, K.A.; Freeman, A.E.; Thurston, J.R.; Kelley, D.H. "Bovine Sire Effects on Daughters' <i>In Vitro</i> Blood Neutrophil Functions, Lymphocyte Blastogenesis, Serum Complement and Conglutinin Levels", Veterinary Immunology and Immunopathology, 1991, 27:303-319.		
	13.	Kelley, K.W., "The Role of Growth Hormone in Modulation of the Immune Response", Annals New York Academy of Sciences, 1990, 594:95-103.		
	14.	Khansari, D.N.; Murgo, A.J.; Faith, R.E. "Effects of Stress on the Immune System", Immunology Today, 1990, 11:170-175.		
	15.	Mallard, B.A.; Wilkie, B.N.; Kennedy, B.W.; Gibson, J.; Quinton, M. "Immune Responsiveness In Swine: Eight Generations of Selection for High and Low Immune Response in Yorkshire Pigs", Proc. 6th World Congress on Genetics Applied to Livestock Production, 1998, 27:257-264.		
	16.	Mallard, B.A.; Wilkie, B.N.; Kennedy, B.W.; Quinton, M. "Use of Estimated Breeding Values in a Selection Index to Breed Yorkshire Pigs for High and Low Immune and Innate Resistance Factors", Animal Biotechnology, 1992, 3:257.		
	17.	Mallard, B.A.; Ireland, M.J.; Lacey, C.; Sharif, S.; Wagter, L. "Immunogenetic Markers to Enhance Immune Response and Disease Resistance of Periparturient Holstein Cows", 76th Conference of Research Workers in Animal Disease", Nov. 13-14, 1995.		
	18.	Mallard, B.A.; Dekkers, J.C.; Ireland, M.J.; Leslie, K.E.; Sharif, S.; Lacey, C.; Van Kampen, L.; Wagter, L.; Wilkie, B.N. "Alteration in Immune Responsiveness During the Peripartum Period and its Ramification on Dairy Cow and Calf Health", J. Dairy Sci., 1998, 81:585-595.		
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